

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:
GATES & COOPER
 Attn. Wood, William J.
 6701 Center Drive West
 Suite 1050
 Los Angeles, CA 90045
 UNITED STATES OF AMERICA

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OCT 05 2001

PCTNOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

Gates & Cooper LLP

(PCT Rule 44.1)

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OCT 12 2001

MORRISON & FOERSTER
SAN DIEGO

Applicant's or agent's file reference

129.1W001 51158-20001.40

International application No.

PCT/US 01/02651

Date of mailing
(day/month/year)

02/10/2001

FOR FURTHER ACTION

See paragraphs 1 and 4 below

International filing date
(day/month/year)

26/01/2001

Applicant

UROGENESYS, INC.

1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35

RECEIVED ~~RECORDED~~REMINDED: 11/2/01DUE DATE: 12/2/01FINAL DUE DATE: 12/2/01

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau.

If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority
 European Patent Office, P.B. 5818 Patentlaan 2
 NL-2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Sandra De Jong-van Dam

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/02651

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C12N15/12	C07K14/47	C07K16/18	A01K67/027	G01N33/53
	C12Q1/68	C12N5/16	G01N33/574	A61K38/17	A61K39/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K A01K C12Q A61K G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! Entry/Acc.no. AA908961, 16 April 1998 (1998-04-16) STRAUSBERG, R.: "0110h06.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1523099 3' similar to TR:Q93021 Q93021 PUTATIVE TUMOR SUPPRESSOR. ;, mRNA sequence." XP002177748 the whole document</p> <p>---</p> <p>DATABASE EMBL 'Online! Entry/Acc.no. AK001114, 22 February 2000 (2000-02-22) ISOGAI, T ET AL.: "Homo sapiens cDNA FLJ10252 fis, clone HEMBB1000807." XP002177749 the whole document</p> <p>---</p>	1-27, 29-48
P, X		1, 3-5, 7-12
		-/-



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

19 September 2001

Date of mailing of the international search report

02/10/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Smalt, R

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/02651

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	EP 1 074 617 A (HELIX RES INST) 7 February 2001 (2001-02-07) see passages relating to HEMBB1000807 gene, seq.ID's 1147, 6656 (primers), 10937 and 10938. -----	1, 3-12, 16-23, 26, 28-34

ID AA908961 standa. RM, EST; 560 BP.

XX AC AA908961;

XP-002177748

XX SV AA908961.1

XX DT 16-APR-1998 (Rel. 55, Created)
DT 03-MAR-2000 (Rel. 62, Last updated, Version 3)

XX DE ol10h06.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1523099 3'
DE similar to TR:Q93021 Q93021 PUTATIVE TUMOR SUPPRESSOR. ;, mRNA sequence.

XX KW EST.

XX OS Homo sapiens (human)

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
OC Eutheria; Primates; Catarrhini; Hominidae; Homo.

XX RN [1]

RP 1-560

RA NCI-CGAP;

RT "National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor
RT Gene Index <http://www.ncbi.nlm.nih.gov/ncicgap>";
RL Unpublished.

XX DR RZPD; IMAGp998L123856; IMAGp998L123856.

XX CC On Jan 17, 1998 this sequence version replaced gi:2045437.

CC Contact: Robert Strausberg, Ph.D.

CC Tel: (301) 496-1550

CC Email: Robert_Strausberg@nih.gov

CC This clone is available royalty-free through LLNL ; contact the
CC IMAGE Consortium (info@image.llnl.gov) for further information.

CC Insert Length: 739 Std Error: 0.00

CC Seq primer: -40m13 fwd. ET from Amersham

CC High quality sequence stop: 482.

XX

FH Key Location/Qualifiers

FH

FT source 1..560
FT /db_xref="taxon:9606"
FT /db_xref="RZPD:IMAGp998L123856"
FT /note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with a
FT modified polylinker; Site_1: Not I; Site_2: Eco RI; Equal
FT amounts of plasmid DNA from three normalized libraries
FT (fetal lung NbHL19W, testis NHT, and B-cell NCI_CGAP_GCB1)
FT were mixed, and ss circles were made in vitro. Following
FT HAP purification, this DNA was used as tracer in a
FT subtractive hybridization reaction. The driver was
FT PCR-amplified cDNAs from pools of 5,000 clones made from
FT the same 3 libraries. The pools consisted of I.M.A.G.E.
FT clones 297480-302087, 682632-687239, 726408-728711, and
FT 729096-731399. Subtraction by Bento Soares and M. Fatima
FT Bonaldo. "
FT /organism="Homo sapiens"
FT /clone="IMAGE:1523099"
FT /clone_lib="Soares_NFL_T_GBC_S1"
FT /lab_host="DH10B"

XX

SQ Sequence 560 BP; 150 A; 108 C; 122 G; 180 T; 0 other;

ttttttaaat aagagaaaacg agctgctttt tataccttta aatagcttgg aattactgaa	60
aaaaattaaa gtgcagaggt tttcattttt gcaccatggaa ttgtgttggaa atcccatttc	120
tctcactatg gcaggactgt atgcagtaag gaagcttggat tttatgtttt gaggcaatgt	180
agatttttgc ttcaaaaaca gaagtcatgt tatcattttta gaacaatggg acatagtggaa	240
taaagtctgt aaaacatttc ttctttgtttt ttctttagggcg gattttcctt cattgggggt	300
agtagttgcg gaagtacttt ttggtagagg aaatccaaatg cctaattccctt ttggcctctg	360
catggcttga attggctttagt agatcccattt gccatctcgat ccaaggcctt acccaggcg	420

P.D. 16-04-1998
P. 1-2 (Z)

ID AK001114 standar RNA HUM; 2338 BP.

XX

AC AK001114;

XX

SV AK001114.1

XX

DT 22-FEB-2000 (Rel. 62, Created)

DT 22-FEB-2000 (Rel. 62, Last updated, Version 1)

XX

DE Homo sapiens cDNA FLJ10252 fis, clone HEMBB1000807.

XX

KW fis (full insert sequence); oligo capping.

XX

OS Homo sapiens (human)

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;

OC Eutheria; Primates; Catarrhini; Hominidae; Homo.

XX

RN [1]

RP 1-2338

RA Isogai T., Otsuki T.;

RT ;

RL Submitted (16-FEB-2000) to the EMBL/GenBank/DDBJ databases.

RL Takao Isogai, Helix Research Institute, Genomics Laboratory; 1532-3 Yana,

RL Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp,

RL Tel:81-438-52-3951, Fax:81-438-52-3952)

XX

RN [2]

RA Isogai T., Ota T., Hayashi K., Sugiyama T., Otsuki T., Suzuki Y.,

RA Nishikawa T., Nagai K., Sugano S., Shiratori A., Sudo H., Wagatsuma M.,

RA Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M.,

RA Chiba Y., Ishida S., Murakawa K., Ono Y., Takiguchi S., Watanabe S.,

RA Kimura K., Murakami K., Ishii S., Kawai Y., Saito K., Yamamoto J.,

RA Wakamatsu A., Nakamura Y., Nagahari K., Masuho Y., Ninomiya K.,

RA Iwayanagi T.;

RT "NEDO human cDNA sequencing project";

RL Unpublished.

XX

DR SPTREMBL; Q9NW75; Q9NW75.

XX

CC NEDO human cDNA sequencing project supported by Ministry of
CC International Trade and Industry of Japan; cDNA full insert
CC sequencing: Research Association for Biotechnology; cDNA library
CC construction, 5'- & 3'-end one pass sequencing and clone
CC selection: Helix Research Institute (supported by Japan Key
CC Technology Center etc.) and Department of Virology, Institute of
CC Medical Science, University of Tokyo.

XX

FH Key Location/Qualifiers

FH

FT source 1..2338

FT /db_xref="taxon:9606"

FT /note="cloning vector: pME18SFL3"

FT /sequenced_mol="cDNA to mRNA"

FT /organism="Homo sapiens"

FT /clone="HEMBB1000807"

FT /clone_lib="HEMBB1"

FT /dev_stage="embryo, 10 weeks"

FT /tissue_type="whole embryo, mainly body"

FT CDS 99..1685

FT /codon_start=1

FT /db_xref="SPTREMBL:Q9NW75"

FT /protein_id="BAA91509.1"

FT /translation="MFGAAGRQPIGAPAAAGNSWHFSRTMEELVHDLVSALEESSEQARG
GFAETGDHSRSISCPKQARKRGRKRRSYNVHHPWETGHCLSEGSDSSLEEPSKDYR
ENHNNNKKDHSDSDDQMLVAKRRPSSNLNNNVRGKRPWLHESDFAVDNVGNRTLRRRK
VKRMAVDLQPQDISNKRTMTQPPEGCRDQDMDSDRAYQYQEFTKKNVKKRKLKIIRQGP
IQDEGVVLESEETNQTNKDKMECEEQKVSDELMSESDESSLSSTDAGLFTNDEGRQGDD